BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

PRE- MEASUREMENT BOOK

Name of work:- Providing Control Lines Control boxes and switches No-11 Kuvempunagara..

BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work: :- Providing Control Lines Control boxes and switches No-11 Kuvempunagara.

Name of Contractror of nature of Agency:- M/s,Chowdeshwari Electricals,

Job Code No:- 011-20-000029

Ref no and Date of commencement of work:-EE(Ele)YZ/WO/000033 / 2019-20 Date:- 15/02/2020

Measurement Book No: 2568 / 2019-20 **Page No:** 256768 to 770

Bill NO :-

Sl. No.	Description of item				Unit	Present Measurements		
						Qty	Tender Full Rate	Cost
1	Supply and erection of .....Mtr RCC Pole including earth work etc,. complete as per the standard technical specification of BESCOM 9Mtr 145Kg WL				Nos	10	6262.62	62626.20
1	New pole Next to VA/11/TC/12/SL/01/00/01/CFL	SOMANNA LAYOUT						
2	New pole Next to VA/11/TC/09/MS/03/5A/02/S	OPP REHEJA ACCADEMY SCHOOL						
3	New pole Next to Bescom pole no16150009	NEAR KEERTHI BEKARY						
4	NEW POLE 2 Nos	OPP MADHU PARLOUR NEAR GANGAMMA						
5	New pole Next to VA/11/TC/43/MR/00/27/02/S	OPP TEMPLE						
6	NEW POLE	MS PALYA GANESH NAGAR 8TH CROSS						
7	New pole Next to VA/11/TC/42/00/03/01/S							
8	New pole Next to VA/11/TC/70/SL/8E/00/06/S							
9	New pole Next to VA/11/LL/00/03/06/S							
2	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm				Nos	42	1698.84	71351.28
3	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.				Nos	42	3154.32	132481.44
1	VA/11/TC70/SL/80/04/02/S	Srinidhi Layout Sri Sai Sannidhi						
2	VA/11/TC42/VN/01/00/02/S	1st Main 2nd Cross Varadaraja						

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3	VA/11/TC39/VSL/01/00/22/S	3rd Cross Navodhaya						
4	VA/11/TC39/VSL/02/00/02/S	Opp Singapura Muneshwara						
5	VA/11/TC40/VL/01/00/06/S	No 20, 7th Main, Mylaralingeshwar a swamy prasanna,						
6	VA/11/TC42/KL/04/00/09/S	4th Cross						
7	VA/11/CL/00/04/00/18/S	Chikkachennapp a Layout Main						
8	VA/11/TC40/RRL/00/02/S	Ramachandrapur						
9	VA/11/TC40/DL/00/08/S	Devappa Layout Ramachandrapur						
10								
11	VA/11/TC41/KVP/MR/00/06/S	2nd Cross Naidu Layout main road						
12	VA/11/TC41/NL/MR/01/03/S	No 57, Srinivasam, 1st Cross Naidu						
13	VA/11/TC43/NL/MR/00/01/S	VK Chicken enter Naidu Layout						
14	VA/11/TC43/KVN/MR/00/32/S	1st Cross, 1st Stage						
15	VA/11/TC40/VL/01/04/06/S	RR Provision store, Singapura						
16	VA/11/TC42/04/02/04/S	# 85, 2nd Cross, Kalattur Layout						
17	VA/11/TC42/00/06/09/S	# 106, Kalattur Layout main road						
18	VA/11/TC42/SPP/01/00/06/S	Pre School day care, Singapura						
19	New Pole	Nandhini Booth, Singapura						
20	VA/11/TC100/SL/MR/00/04/F	# 108, Anantha Srinidhi Layout						
21	VA/11/TC13/BL/MR/11/S	# 67, Gokulam,						
22	VA/11/TC128/TL/00/01/04/S	2nd main						
23	VA/11/TC128/TL/04/00/06/S	Behind Teachers						
24	VA/11/TC01/SL/00/03/01/S	# 29, 3rd Cross, Simhadhri Layout						
25	VA/11/TC37/SL/00/01A/01/S	# 96, Simhadhri						
26	VA/11/TC37/SL/MR/00/18/S	Commander Gallery apartment						
27	VA/11/TC38/BL/00/02/01/S	Singapura Gudde Balaji Layout						
28	VA/11/TC40/SPL/02/00/13/S	2nd Main Tower road Singapura						
29	VA/11/TC40/SPL/03/00/12/S	# 55, 2rd Main Singapura Layout						
30	VA/11/TC40/SML/MR/00/01/0	Cauvery corner, NTC Layout						
31	VA/11/TC42/VN/00/01/02/S	Valmikhi Nagara						
32	VA/11/TC14/RLO/03/S	Ganesha temple Raghavendra						
33	VA/11/TC48/RLO/00/04/S	2nd Cross 3A Main						
34	VA/11/TC/SP/MR/00/48/S	Opp Singapura						

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35	VA/11/TC42/KVN/MR/00/08/S	Valmikhi Layout Kuvempunagara						
36	VA/11/TC42/KVN/00/14/12/S	Seetharama						
37	VA/11/TC42/KVN/00/04/01/S	Kuvempunagara						
38	VA/11/TC44/KVN/00/11/11/S	RR School Kuvempunagara						
39	VA/11/TC42/KVN/00/13/06/F	Opp Bakery						
40	VA/11/TC101/HBN/00/05/05/S/TM	1st Cross,						
41	VA/11/TC101/HBN/00/01/04/S	1st Cross,						
42	VA/11/TC39/SG/00/03/05/S/TM	3rd Cross,						
4	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.25 sqmm Long Barrel				Nos	120	16.06	1927.20
5	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)50X50X6 mm				Mtrs	47	205.14	9641.58
6	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).				Mtrs	4494	23.4	105159.60
1	VA/11/TC/12/SL/01/00/01/CFL TO NEW POLE(40X2)	SOMANNA LAYOUT	2 SPAN	80				
2	NEW POLE TO VA/11/TC/12/SL/01/00/02/CFL(40X2)	SOMANNA LAYOUT	2 SPAN	80				
3	VA/11/TC/12/SL/01/00/02/CFL TO VA/11/TC/12/SL/01/00/04/CFL	SOMANNA LAYOUT	2 SPAN	80				
4	WARD NO 3 GE /03/TC/CL/00/02/07 TO VA/11/TC/123/SL/01/04/01/S (38X2)		2 SPAN	76				
5	VA/11/TC/123/SL/01/04/01/S TO VA/11/TC/123/SL/01/04/03/S		2 SPAN	80				
6	SYB/Y/T70/SL/S/3/S TO SYB/Y/T70/SL/S/13/S	OPP #14 D MART	10	365				
7	VA/11/TC/70/SL/8D/04/02/S TO VA/11/TC/70/SL/8D/04/04/S	SRI NIDHI LAYOUT	2 SPAN	80				
8	RCC NEW POLE TO VA/11/TC/09/MS/03/5A/02/S(45X2)	OPP REHEJA ACCADEMY	2 SPAN	90				
9	VA/11/TC/09/MS/03/5A/02/S TO VA/11/TC/09/MS/03/5A/01/S (42X2)	OPP REHEJA ACCADEMY	2 SPAN	84				
10	VA/11/TC/12/01/00/02/S TO NEW POLE (46X2)	TEACHERS LAYOUT	2 SPAN	92				
11	VA/11/TC/128/TL/02/00/06/S TO NEW POLE(40X2)	TEACHERS LAYOUT	2 SPAN	80				
12	VA/11/TC/128/TL/03/00/06/S TO NEW POLE(43X2)	TEACHERS LAYOUT	2 SPAN	86				
13	VA/11/LL/00/02/03/S TO NEW POLE(45X2)		2 SPAN	90				
14	VA/11/TC/40/SPL/05/00/01/S TO MAIN ROOT (40X2)	1ST CROSS	2 SPAN	80				
15	VA/11/TC/10/BN/00/03/04/02/S TO VA/11/TC/10/BN/00/03/02/05/S		1 SPAN	39				
16	VA/11/TC/10/BN/00/03/02/05/S TO VA/11/TC/10/BN/00/03/02/03		2 SPAN	80				
17	VA/11/TC/130/AL/00/04/02/S TO VA/11/TC/130/AL/00/04/05/S	SINGAPURA	3 SPAN	108				
18	Bescom pole no16150009 to New pool	NEAR KEERTHI BEKARY	1 SPAN	41				

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19	VA/11/TC39/SG/MR/00/11/S TO VA/11/TC39/SG/MR/00/16/S	SINGAPURA GARDEN	5 SPAN	180				
20	VA/11/TC/79/KRN/MR/00//10/S TOVA/11/TC/79/KRN/MR/00//15/S	KANSHIRAMNAGARA	6SPAN	180				
21	VA/11/TC/79/KRN/MR/00//15/S TO VA/11/TC/79/KRN/MR/00/21/S	KANSHIRAMNAGARA	2 SPAN	80				
22	VA/11/TC/43/KVN/MR/00/32/S TO VA/11/TC/43/KVN/MR/00/33/S	KUVEMPUNAGARA	1 SPAN	35				
23	VA/11/TC/43/KVN/MR/00/26/S TO VA/11/TC/43/KVN/MR/00/29/S	KUVEMPUNAGARA 1ST STAGE	3 SPAN	108				
24	VA/11/TC/43/KVN/MR/00/17/S TO VA/11/TC/43/KVN/MR/00/20/S	KUVEMPUNAGARA 1ST STAGE	3 SPAN	110				
25	VA/11/TC/21/MVE/12/VE/PLR/06 TO VA/11/TC/21/MVE/12/VE/PLR/07		1 SPAN	40				
26	VA/11/TC/42/KVN/MR/00/10/S TO VA/11/TC/42/KVN/MR/00/16/S	KUVEMPUNAGARA 1ST STAGE	6 SPAN	198				
27	VA/11/TC/152/KVN/MR/00/04/S TO VA/11/TC/152/KVN/MR/00/09/S	KUVEMPUNAGARA	5 SPAN	180				
28	VA/11/TC/41/GG/MR/00/14/S TO VA/11/TC/41/GG/MR/00/17/S	RAMACHANDRAPURA GANGAMMA CIRCLE	3 SPAN	80				
29	NEW POLE TO NEW POLE	OPP MADHU PARLOUR NEAR	1 SPAN	40				
30	VA/11/TC/43/GG/MR/00/21 T0 VA/11/TC/43/GG/MR/00/22	OPP BHAVANI STORE	1 SPAN	40				
31	VA/11/TC/43/GG/MR/00/09 T0 INTERNAL NEW POLE(MILK PARLOUR)		1 SPAN	40				
32	VA/11/TC/43/MR/00/27/02/S TO NEW POLE	OPP TEMPLE	1 SPAN	40				
33	VA/11/TC/43/KVN/MR/00/32/S TO VA/11/TC/43/KVN/00/01/01/S	NEAR MCCB SWITCH MAIN ROAD	1 SPAN	40				
34	VA/11/TC/43/KVN/00/01/01/S TO VA/11/TC/43/KVN/00/01/05/S	1ST CROSS KUVEMPUNGAR	4 SPAN	168				
35	VA/11/TC/43/MR/00/35/S TO VA/11/TC/43/KVN/00/03/01/S		1 SPAN	35				
36	VA/11/TC/43/KVN/00/03/01/S TO VA/11/TC/43/KVN/00/03/05/S	3RS CROSS KUVEMPUNAGARA	4 SPAN	135				
37	VA/11/TC/43/KVN/MR/00/35/S TO #12 BESCOM RR NO EH 11064	KUVEMPUNAGARA	1 SPAN	35				
38	VA/11/TC/149/VSL/NS/00/05/S TO VA/11/TC/149/VSL/NS/00/08/S	NAVODAYA SCHOOL ROAD	4 SPAN	130				
39	VA/11/TC/149/NS/00/08/S TO VA/11/TC/149/NS/02/01	2ND CROSS	1 SPAN	40				
40	VA/11/TC/149/NS/02/01 TO VA/11/TC/149/NS/02/04	2ND CROSS	3 SPAN	120				
41	VA/11/TC/149/NS/00/11/S TO VA/11/TC/149/NS/03/01	3 RD CROSS	1 SPAN	40				
42	VA/11/TC/149/NS/03/01 TO VA/11/TC/149/NS/03/04	3RS CROSS	3 SPAN	120				

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	VA/11/TC/42/00/03/01/S TO VA/11/TC/42/00/03/03/S	VARADARAJNAGARA	2 SPAN	80				
44	SPUN POLE TO NEW POLE (45 X 2)	MS PALYA GANESH NAGAR	2 SPAN	80				
45	VA/11/TC/13/BL/3A/00/06/S TO VA/11/TC/13/BL/3A/00/12/S	#29 BALAJI LAYOUT MS	6 SPAN	220				
46	VA/11/TC/28/RC/01/03/01/S TO VA/11/TC/28/RC/01/03/06/S	3MAIN BALAJI LAYOUT	5SPAN	180				
47	VA/11/TC/28/RC/01/04/05/01/S TO VA/11/TC/28/RC/01/04/05/06/S	4 MAIN BALJI LAYOUT	5 SPAN	180				
48	VA/11/TC/100/MSP/03/03/01/S TO VA/11/TC/100/MSP/03/03/03/S	BALJI LAYOUT	2 SPAN	70				
49	VA/11/TC/13/BL/11/S TO VA/11/TC/13/BL/13/S	BALJI LAYOUT	2 SPAN	74				
50	VA/11/TC/13/SL/00/02/01/05 TO MAIN ROAD	SRINIDHI LAYOUT 2 CROSS	3 SPAN	120				
51	VA/11/TC/13/MSP/MR/02/S TO VA/11/TC/13/MSP/MR/01/S	MS PALYA MAIN ROAD	1 SPAN	39				
	Total 4968 Mtrs							
7	1.1 KV Pin Insulator				Nos	81	34.32	2779.92
8	No. 8 Strain Insulator				Nos	63	10.92	687.96
9	2 Pin 45x45x5mm -510mm				Nos	119	238.68	28402.92
10	Supplay and Laying of 1.1KV Class HR (Heat Resistant) PVC Insulated & UnSheathed Aluminium Wires				Per Mtr	947	25.2	23864.40
11	Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.25mm dia 2mm thick				Per Mtr	336	54.6	18345.60
12	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure.7)				Nos	8	40170	321360.00
1	VA/11/TC70/SL/80/04/02/S	Srinidhi Layout Sri Sai Sannidhi						
2	VA/11/TC42/VN/01/00/02/S	1st Main 2nd Cross Varadaraja						

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3	VA/11/TC39/VSL/01/00/22/S	3rd Cross Navodhaya						
4	VA/11/TC39/VSL/02/00/02/S	Opp Singapura Muneshwara						
5	VA/11/TC40/VL/01/00/06/S	No 20, 7th Main, Mylaralingeshwar a swamy prasanna,						
6	VA/11/TC10/MSP/03/00/02/0	M.S.Palya						
7	VA/11/TC40/SP/MR/00/75/S	Singapura main						
8	VA/11/TC43/GG/MR/00/22/02/S	Gangamma						
	Total Rs							**778628.10**

CERTIFICATE:

1.This is certify that the work done is saticefactorily.
2.This is certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division

Executive Engineer
Electrical Division
Yelahanka Zone BBMP
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